

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007691 A3

(51) International Patent Classification⁷: **C07K 14/44**,
C12N 15/30, A61K 39/018, G01N 33/569, C07K 16/20,
C12N 15/10

(21) International Application Number:
PCT/US2004/022605

(22) International Filing Date: 14 July 2004 (14.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/486,750 14 July 2003 (14.07.2003) US

(71) Applicant (for all designated States except US): **INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE**
[KE/KE]; P.O. Box 30709, 00100 Nairobi (KE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TARACHA, Evans** [—/KE]; Riara Villas, Riara Road, Lavington, Nairobi (KE). **GLEW, Jane** [—/KE]; Nairobi (KE). **GRAHAM, Simon** [—/KE]; Nairobi (KE). **MWANGI, Duncan** [—/KE]; Nairobi (KE). **HONDA, Yoshikazu** [—/KE]; Nairobi (KE). **PELLE, Roger** [—/KE]; Nairobi (KE). **ONUKARI, Nyerhovwo, J.** [—/KE]; Nairobi (KE). **YAMAGE, Matasuke** [—/KE]; Nairobi. **NENE, Vishvanath** [GB/US]; 11601 Milbern Drive, Potomac, MD 20854 (US).

(74) Agents: **AXELROD, Nancy, J.** et al.; **VENABLE LLP**, P.O. Box 34385, Washington, DC 20043-9998 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
18 August 2005

(48) Date of publication of this corrected version:
10 November 2005

(15) Information about Correction:
see PCT Gazette No. 45/2005 of 10 November 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: EAST COAST FEVER VACCINE BASED ON CTL-SPECIFIC SCHIZONT ANTIGENS

(57) Abstract: This invention relates to DNA, protein, and peptide compositions and methods for identification of intracellular antigens of pathogens, that stimulate animal cytotoxic lymphocytes in an antigen specific manner. Such antigens are prime candidates for the development of vaccines, useful for the prevention of intracellular pathogenic diseases such as East Coast Fever.



WO 2005/007691 A3